

09/332,803

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	6168941 [pn]	2	<u>L11</u>	for Page # 16
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	adenovir\$ near10 capsid near5 serotype\$	3877	<u>L5</u>	
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**Database:**

6168941 [pn]

**Refine Search:****Clear****Search History****Today's Date: 9/20/2001**

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## Generate Collection

**Search Results - Record(s) 1 through 5 of 5 returned.**

1. Document ID: US 6265212 B1

L10: Entry 1 of 5

File: USPT

Jul 24, 2001

US-PAT-NO: 6265212

DOCUMENT- IDENTIFIER: US 6265212 B1

**TITLE:** Packaging systems for human recombinant adenovirus to be used in gene therapy

DATE-ISSUED: July 24, 2001

**INVENTOR - INFORMATION:**

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Fallaux; Frits J.	Leiderdorp	N/A	N/A		NLX
Hoeben; Robert C.	Leiden	N/A	N/A		NLX
Bout; Abraham	Moerkapelle	N/A	N/A		NLX
Valerio; Domenico	Leiden	N/A	N/A		NLX
van der Eb; Alex J.	Oegstgeest	N/A	N/A		NLX
Schouten; Govert	Leiden	N/A	N/A		NLX

US-CL-CURRENT: 435/320.1, 424/93.21, 435/235.1, 435/325,  
435/69.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMC	Drawn Desc	Image
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□ 2. Document ID: US 6238893 B1

L10: Entry 2 of 5

File: USPT

May 29, 2001

US - PAT - NO: 6238893

DOCUMENT- IDENTIFIER: US 6238893 B1

TITLE: Method for intracellular DNA amplification

DATE-ISSUED: May 29, 2001

**INVENTOR - INFORMATION:**

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Hoeben; Robert Cornelis	Leiden	N/A	N/A	N/A	NLX
Bout; Abraham	Moerkapelle	N/A	N/A	N/A	NLX

US-CL-CURRENT: 435/91.1; 435/455

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

3. Document ID: US 6113913 A

L10: Entry 3 of 5

File: USPT

Sep 5, 2000

US-PAT-NO: 6113913

DOCUMENT-IDENTIFIER: US 6113913 A

TITLE: Recombinant adenovirus

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brough; Douglas E.	Olney	MD	N/A	N/A
Kovesdi; Imre	Rockville	MD	N/A	N/A

US-CL-CURRENT: 424/233.1, 424/199.1, 435/235.1, 435/320.1,  
435/325, 435/69.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

4. Document ID: US 6033908 A

L10: Entry 4 of 5

File: USPT

Mar 7, 2000

US-PAT-NO: 6033908

DOCUMENT-IDENTIFIER: US 6033908 A

TITLE: Packaging systems for human recombinant adenovirus to be used in gene therapy

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bout; Abraham	Ar Moerkapelle	N/A	N/A	NLX
Hoeben; Robert Cornelis	Ex Leiden	N/A	N/A	NLX

US-CL-CURRENT: 435/325, 424/93.21, 435/320.1, 435/455,  
435/69.1, 514/44, 536/23.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

5. Document ID: US 5994128 A

L10: Entry 5 of 5

File: USPT

Nov 30, 1999

US-PAT-NO: 5994128

DOCUMENT-IDENTIFIER: US 5994128 A

TITLE: Packaging systems for human recombinant adenovirus to be used in gene therapy

DATE-ISSUED: November 30, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Fallaux; Frits Jacobus	Be Leiderdorp	N/A	N/A	N/A	NLX
Hoeben; Robert Cornelis	Ex Leiden	N/A	N/A	N/A	NLX
Van der Eb; Alex Jan	Tw Oegstgeest	N/A	N/A	N/A	NLX
Bout; Abraham	Ar Moerkapelle	N/A	N/A	N/A	NLX
Valerio; Domenico	Ez Leiden	N/A	N/A	N/A	NLX

US-CL-CURRENT: 435/325, 424/93.21, 435/320.1, 435/455,  
435/69.1, 536/23.1

Terms	Documents
I9 and PER.C6	5

Documents, starting with Document:

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Search Results - Record(s) 1 through 6 of 6 returned.

 1. Document ID: US 20010010933 A1

L6: Entry 1 of 6

File: PGPB

Aug 2, 2001

PGPUB-DOCUMENT-NUMBER: 20010010933

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010010933 A1

TITLE: Use of trans-activation and CIS-activation to modulate the persistence of expression of a transgene in an at least E4-deficient adenovirus

PUBLICATION-DATE: August 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brough, Douglas E.	Olney	MD	US	
Kovesdi, Imre	Rockville	MD	US	

US-CL-CURRENT: 435/320.1; 424/93.21, 435/235.1[Full](#)[Title](#)[Citation](#)[Front](#)[Review](#)[Classification](#)[Date](#)[Reference](#)[KOMC](#)[Drawn Desc](#)[Image](#) 2. Document ID: US 6225113 B1

L6: Entry 2 of 6

File: USPT

May 1, 2001

US-PAT-NO: 6225113

DOCUMENT-IDENTIFIER: US 6225113 B1

TITLE: Use of trans-activation and cis-activation to modulate the persistence of expression of a transgene in an at least E4-deficient adenovirus

DATE-ISSUED: May 1, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brough; Douglas E.	Olney	MD	N/A	N/A
Kovesdi; Imre	Rockville	MD	N/A	N/A

US-CL-CURRENT: 435/320.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KIMC](#) [Drawn Desc](#) [Image](#) 3. Document ID: US 6203975 B1

L6: Entry 3 of 6

File: USPT

Mar 20, 2001

US-PAT-NO: 6203975

DOCUMENT-IDENTIFIER: US 6203975 B1

TITLE: Adenovirus and method of use thereof

DATE-ISSUED: March 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Wilson; James M.	Gladwyne	PA	N/A		N/A
Fisher; Krishna J.	New Orleans	LA	N/A		N/A
Chen; Shu-Jen	Aldan	PA	N/A		N/A
Weitzman; Matthew	La Jolla	CA	N/A		N/A

US-CL-CURRENT: 435/5, 435/320.1, 435/325, 435/455, 435/456,  
435/457, 435/6, 435/91.4, 435/91.41, 435/91.42[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KIMC](#) [Drawn Desc](#) [Image](#) 4. Document ID: US 6001557 A

L6: Entry 4 of 6

File: USPT

Dec 14, 1999

US-PAT-NO: 6001557

DOCUMENT-IDENTIFIER: US 6001557 A

TITLE: Adenovirus and methods of use thereof

DATE-ISSUED: December 14, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Wilson; James M.	Gladwyne	PA	N/A		N/A
Fisher; Krishna J.	New Orleans	LA	N/A		N/A
Chen; Shu-Jen	Aldan	PA	N/A		N/A
Weitzman; Matthew	La Jolla	CA	N/A		N/A

US-CL-CURRENT: 435/5, 435/239, 435/320.1, 435/325, 435/366,  
435/367, 435/368, 435/369, 435/6, 435/91.4, 530/300[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KIMC](#) [Drawn Desc](#) [Image](#)

5. Document ID: WO 200153504 A1

L6: Entry 5 of 6

File: DWPI

Jul 26, 2001

DERWENT-ACC-NO: 2001-451910

DERWENT-WEEK: 200148

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TITLE: Vector system for packaging a replication defective adenovirus (Ad) based on Ad serotype comprises a first serotype packaging sequence, a second serotype sequence unable to package and a sequence encoding a first serotype packaging protein

INVENTOR: IMPERIALE, M J

PRIORITY-DATA: 2000US-0488867 (January 21, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200153504 A1	July 26, 2001	E	057	C12N015/86

INT-CL (IPC): C12N 5/10; C12N 15/86

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KMC](#) [Draw. Desc](#) [Image](#) 6. Document ID: AU 200040761 A, WO 200060106 A1

L6: Entry 6 of 6

File: DWPI

Oct 23, 2000

DERWENT-ACC-NO: 2000-665014

DERWENT-WEEK: 200107

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TITLE: Adenoviral vector delivery system comprising a helper adenovirus vector, useful for introducing a gene to correct a genetic defect in an organism

INVENTOR: ANTON, M; GRAHAM, F L ; RUDNICKI, M A

PRIORITY-DATA: 1999US-0286874 (April 6, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 200040761 A	October 23, 2000	N/A	000	C12N015/861
WO 200060106 A1	October 12, 2000	E	053	C12N015/861

INT-CL (IPC): A61K 48/00; C12N 15/63; C12N 15/861

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KMC](#) [Draw. Desc](#) [Image](#)

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Terms	Documents
adenovir\$ near10 capsid near5 serotype\$	6

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Documents, starting with Document:

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L1: Entry 7 of 9

File: USPT

Nov 30, 1999

DOCUMENT-IDENTIFIER: US 5994128 A

TITLE: Packaging systems for human recombinant adenovirus to be used in gene therapy

## BSPV:

5. After transfection of HER cells with construct pIG.E1B (FIG. 4), seven independent cell lines could be established. These cell lines were designated PER.C1, PER.C3, PER.C4, PER.C5, PER.C6, PER.C8 and PER.C9. PER denotes PGK-E1-Retinoblasts. These cell lines express E1A and E1B proteins, are stable (e.g. PER.C6 for more than 57 passages) and complement E1 defective adenovirus vectors. Yields of recombinant adenovirus obtained on PER cells are a little higher than obtained on 293 cells. One of these cell lines (PER.C6) has been deposited at the ECACC under number 96022940.

## DEPR:

Ad5-E1-transformed human embryonic retina (HER) cells were generated by transfection of primary HER cells with plasmid pIG.E1A.E1B. Transformed cell lines were established from well-separated foci. We were able to establish seven clonal cell lines, which we called PER.C1, PER.C3, PER.C4, PER.C5, PER.C6, PER.C8 and PER.C9.

## DEPR:

One of the PER clones, namely PER.C6, has been deposited at the ECACC under number 96022940.

## DEPR:

Yields of recombinant adenovirus obtained after inoculation of 293, 911, PER.C3, PER.C5 and PER.C6 with different adenovirus vectors are presented in Table II.

## DETL:

TABLE II

Passage	Producer	Cell number	IG.Ad.CMV.lacZ	IG.Ad.CMV.TK
	IG.Ad.MLPI.TK	dl313	Mean	

293	6.0	5.8	24	34	17.5	911	8	14	34	180	59.5	PER.C3	17	8	11	44		
40	25.8											<u>PER.C6</u>	36	10	22	58	320	102

Yields .times. 10.sup.-8 pfu/T175 flask. Yields of different recombinant adenoviruses obtained after inoculation of adenovirus E1 packaging cell lines 293, 911, PER.C3, PER.C5 and PER.C6. The yields are the mean of two different experiments. IG.Ad.CMV.lacZ and IG.Ad.CMV.TK are described in patent

IG.Ad.CMV.lacZ and IG.Ad.CMV.TK are described in patent application EP 95 20 2213. The construction of IG.Ad.MLPI.TK is described in this patent application. Yields of virus per T80 flask were determined by plaque assay on 911 cells, as described [Fallaux, 1996 #1493]